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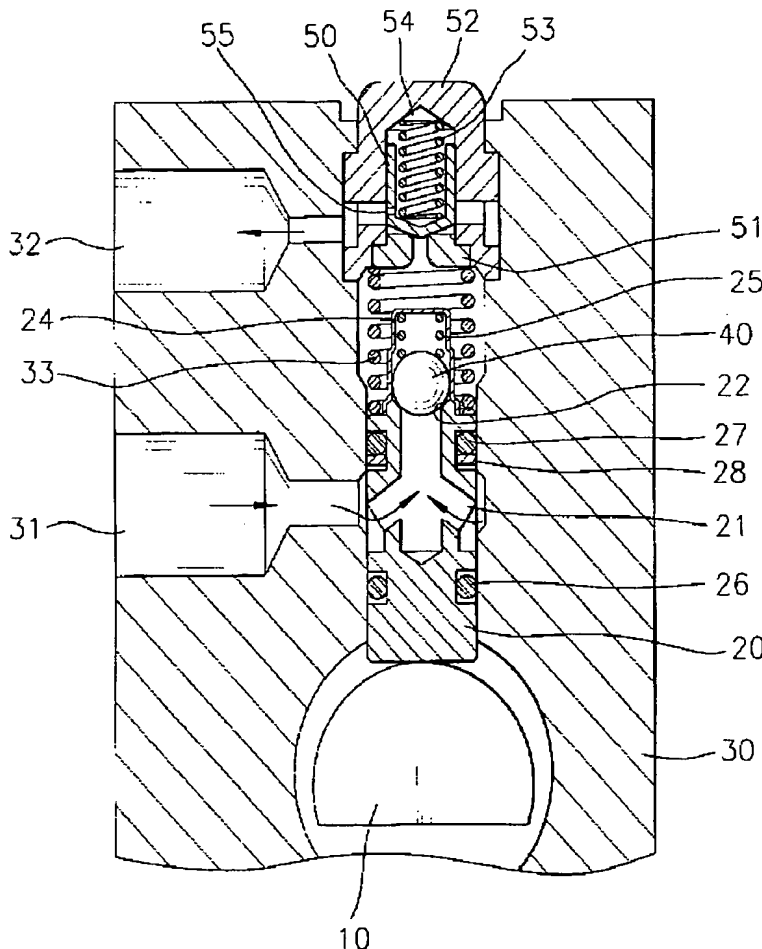
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HYDRAULIC TYPE HIGH-PRESSURE PUMP FOR BRAKING VEHICLE

Representative drawing



(57) Abstract:

PURPOSE: A hydraulic type high-pressure pump for braking a vehicle is provided to sufficiently intake a brake liquid inside a cylinder in a low negative pressure by improving a filling effect at an in taking process, and to be able to do a sufficient pumping operation corresponding to a high-speed rotation of a motor.

CONSTITUTION: A motor of high pressure comprises: a motor; an eccentric cam(10) to convert a rotating movement of the motor to a rectilinear motion; a plunger (20) straight-line reciprocated by the eccentric cam(10); and an inhaling valve(40) and an exhaust valve(50) to open and close when the plunger(20) moves forward and backward. The motor is operated by a signal of ECU or pressing system of an ABS(anti-lock

brake system) or a traction control system, and the eccentric cam(10) is rotated by

the rotation of the motor. A brake liquid of low pressure side is exhausted to the side of high pressure by repeating the rectilinear reciprocal movement of the plunger(20) with the motor and the eccentric cam(10).

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